

# Converting Colors

XYZ(81.2875, 79.6247, 97.9455)

Have a look what the booklet for  
XYZ(81.2875, 79.6247, 97.9455)  
contains.

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# Color

**XYZ(81.2962, 79.5580,  
98.2602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E0F6
RGB	246, 224, 246
RGB Percent	96%, 88%, 96%
CMY	0.0353, 0.1215, 0.0353
CMYK	0.00, 0.09, 0.00, 0.04
HSL	300°, 55%, 92%
HSV	300°, 9%, 96%
XYZ	81.2962, 79.5580, 98.2602
YIQ	233.0860, 6.0500, 11.5060

# Conversions

## Conversions Part 2

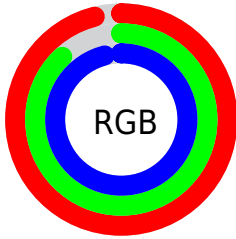
Format	Color
R <sub>Y</sub> B	246, 224, 246
Decimal	16179446
CIE Lab	91.49, 11.32, -7.95
CIE LCh	91, 13.832, 324.913
Yxy	79.5580, 0.3137, 0.3070
Android (android.graphics.Color)	4294369526 (0xFF6E0F6)
YUV	233.0860, 6.3666, 11.3256
Hunter-Lab	89.1953, 6.6004, -2.8789

# Details

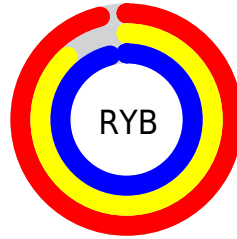
The XYZ color **81.2962, 79.5580, 98.2602** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.1538, 87.1428, 83.2790**, and the grayscale version is **77.4692, 81.5037, 88.7575**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7174, 43.0408, 54.6660** is the 20% darker color. If you saturate the color by 10%, you get **75.1582, 67.2808, 96.2151**, and if you desaturate by 10%, it is **88.3953, 93.7550, 100.6275**.

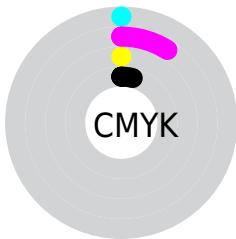
# Distribution



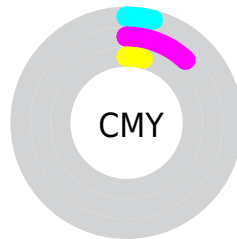
- Red (96%)
- Green (88%)
- Blue (96%)



- Red (96%)
- Yellow (88%)
- Blue (96%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (12%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2962, 79.5580, 98.2602 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 81.2962, 79.5580, 98.2602 by changing the saturation by 10% instead.



81.2962, 79.5580,  
98.2602

81.2962, 79.5580,  
98.2602

487.9607,  
493.4420, 575.7991

61.0977, 59.3547,  
74.2396

134.1276,  
132.7441, 160.7952

44.5569, 42.8987,  
54.4922

167.4912,  
166.4957, 200.1467

31.3083, 29.8057,  
38.5994

205.9738,  
205.5322, 245.4455

20.9867, 19.6911,  
26.1428

249.9409,  
250.2380, 297.1103

13.2267, 12.1707,  
16.7038

299.7578,  
300.9975, 355.5595

7.6629, 6.8601,  
9.8638

355.7898,

3.9300, 3.3747,

358.1951, 421.2116

5.2043

418.4023,  
422.2151, 494.4854

■ 1.6626, 1.3304,  
2.3068

■ 0.4327, 0.1645,  
0.7350

■ 81.2962, 79.5580,  
98.2602

■ 81.2962, 79.5580,  
98.2602

■ 75.1582, 67.2808,  
96.2151

■ 88.3953, 93.7550,  
100.6275

■ 69.9334, 56.8313,  
94.4736

■ 90.4013, 97.7670,  
101.2962

■ 65.5804, 48.1253,  
93.0226

■ 90.4013, 97.7670,  
101.2962

■ 62.0517, 41.0679,  
91.8463

■ 90.4013, 97.7670,  
101.2962

59.2954, 35.5553,  
90.9276

90.4014, 97.7670,  
101.2962

57.2537, 31.4718,  
90.2470

90.4014, 97.7670,  
101.2962

55.8605, 28.6855,  
89.7826

90.4014, 97.7670,  
101.2962

55.0378, 27.0402,  
89.5084

90.4014, 97.7670,  
101.2962

54.6695, 26.3035,  
89.3856

90.4014, 97.7670,  
101.2962

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5066, 79.5580, 105.4352



81.2962, 79.5580, 98.2602



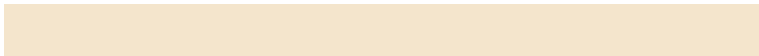
82.5664, 79.5580, 88.3564

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2962, 79.5580, 98.2602



76.2196, 79.5580, 68.7051



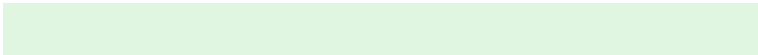
69.6396, 79.5580, 95.0558

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81.2962, 79.5580, 98.2602



77.1538, 87.1428, 83.2790

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.0698, 79.5580, 84.9167



81.2962, 79.5580, 98.2602



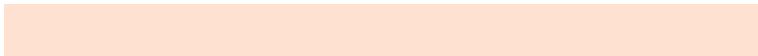
72.8001, 79.5580, 70.1969

# Square

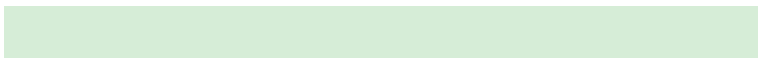
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



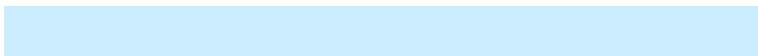
81.2962, 79.5580, 98.2602



79.5779, 79.5580, 71.7024



70.2096, 79.5580, 75.9468



71.7907, 79.5580, 103.4868



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2962, 79.5580, 98.2602



82.3530, 79.5580, 81.7284



70.2096, 79.5580, 75.9468



69.2597, 79.5580, 91.7137

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



81.2985, 79.5614, 98.2619



92.6579, 95.2158, 108.1026



74.1329, 76.0139, 97.9548



19.6993, 20.1134, 23.0940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2985, 79.5614, 98.2619



86.7454, 83.3908, 106.1318



79.7127, 78.9271, 89.9111



17.2137, 16.7683, 20.8719



29.1650, 14.0094, 47.7049

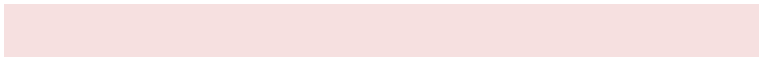


2.5633, 1.2313, 4.1928

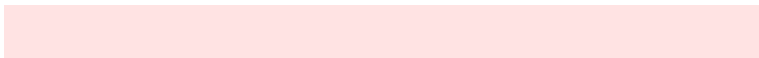


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78.1191, 78.2897, 81.5193



82.5536, 81.7141, 84.0583



78.6415, 87.7378, 91.1128



16.4992, 16.4825, 17.1094



20.2862, 10.4579, 0.9494

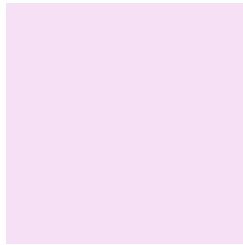


1.7830, 0.9191, 0.0834



# Previews

## White Background



This preview shows how the XYZ color 81.2962, 79.5580, 98.2602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

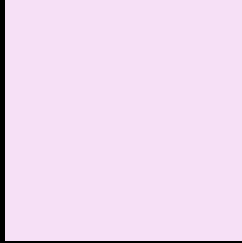
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2962, 79.5580, 98.2602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.2962, 79.5580, 98.2602

## Background



This preview shows how black text looks on a background with the XYZ color 81.2962, 79.5580, 98.2602.



This preview shows how white text looks on a background with the XYZ color 81.2962, 79.5580,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

81.2962, 79.5580, 98.2602

### Protanopia

77.4313, 79.5362, 100.8935

### Deuteranopia

81.2962, 79.5580, 98.2602



## Tritanopia

80.6084, 79.6737, 95.1344

# Trichromacy



## Original Color

81.2962, 79.5580, 98.2602

## Protanomaly

78.6733, 79.3776, 99.9818

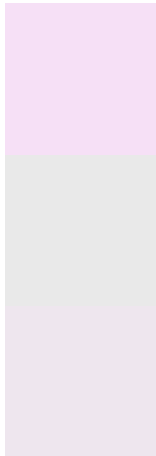
## Deuteranomaly

81.2962, 79.5580, 98.2602

## Tritanomaly

80.7591, 79.7340, 95.9278

# Monochromacy



## Original Color

81.2962, 79.5580, 98.2602

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.9893, 80.9438, 92.3495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2962, 79.5580, 98.2602 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(246, 224, 246) looks like.

```
.text, #text, p{  
    color:rgb(246, 224, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(246, 224, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 224, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2962, 79.5580, 98.2602 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(246, 224, 246) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(246, 224, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(246, 224, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 224, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 224, 246);  
box-shadow:4px 4px 4px 4px rgb(246, 224,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2962, 79.5580, 98.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 224, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(246,  
224, 246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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